

XP-002167493

AN - 1990-325243 [43]

A - [001] 014 04- 040 06- 074 075 076 09- 15- 18- 19& 19- 230 231 24- 240  
244 245 252 259 316 341 351 359 392 398 42- 427 473 48- 501 541 542  
55& 56& 57- 604 606 617 663 678 688 720 726

AP - JP19890053788 19890308 JP19890053788 19890308; [Previous Publ.  
J02233793]

CPY - HAZA

DC - A97 G04 J07

DR - 1278-S 1895-S 1912-S 1920-S

FS - CPI

IC - C09K3/24

KS - 0037 0044 0060 0063 0066 0211 0214 0218 0231 0409 1989 2001 2007 2020  
2198 2300 2318 2336 2378 2493 2509 2512 2604 2665 2844 2857 3202 3308

MC - A12-W G04-B J07-B02

PA - (HAZA) HAZAMA GUMI LTD

PN - ~~JP2233793~~ A 19900917 DW199043 000pp  
- JP2732114B2 B2 19980325 DW199817 C09K3/24 003pp

PR - JP19890053788 19890308

XA - C1990-141126

XIC - C09K-003/24

AB - J02233793 Artificial snow is prepd. by freezing gelled matter obtd. by  
allowing polyhydric alcohol and/or polyvalent organic acid and  
polyvalent-metal to react with water. Polyhydric alcohol and/or  
polyvalent organic acid, to improve durability of artificial snow by  
preventing it from freeze-drying and to improve its stability by  
preventing ice crystals from growing and by decreasing sublimation  
speed of ice, is pref., alginic acid, sodium alginate, methyl  
cellulose, polyacrylic acid or polyvinyl alcohol. Polyvalent metal is  
e.g. polyvalent metallic salt such as CaCl<sub>2</sub>, BaCl<sub>2</sub>, StrCl<sub>2</sub>, or CaCO<sub>3</sub>.

- USE/ADVANTAGE - The artificial snow has high cold insulating property  
because of its high stability of structure. It is economically  
profitable, because energy to maintain it is reduced. (4pp Dwg.No.0/0)

IW - ARTIFICIAL SNOW HIGH COLD INSULATE PROPERTIES PREPARATION FREEZE GEL  
MATERIAL OBTAIN REACT POLY HYDRIC ALCOHOL ACID METAL WATER

IKW - ARTIFICIAL SNOW HIGH COLD INSULATE PROPERTIES PREPARATION FREEZE GEL  
MATERIAL OBTAIN REACT POLY HYDRIC ALCOHOL ACID METAL WATER

NC - 001

OPD - 1989-03-08

ORD - 1990-09-17

PAW - (HAZA) HAZAMA GUMI LTD

TI - Artificial snow of high cold insulating property - prepd. by freezing  
gelled material, obtd. by reactive poly:hydric alcohol and/or acid and  
metal with water

Frozen